

Docket No.: SAE-0031  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Masahiko Sisido et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD OF AMINOACYLATING tRNA

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Submitted herewith on Form PTO-1449 or PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR 1.56. Applicant respectfully requests that the listed documents be considered by the Examiner and formally be made of record in the present application and that an initialed copy of Form PTO-1449 or PTO/SB/08 be returned in accordance with MPEP §609.

- ☒ A copy of each listed document is being submitted to comply with the provisions of 37 CFR §§1.97 and 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

**Concise Explanation of Relevancy of the Document**

(Fill out if no English translation, partial translation or English abstract is available)

- ☒ Any document having neither English translation nor English abstract has been cited in a communication from a foreign patent office in a counterpart foreign application or international application, or its related application. A copy of the communication is attached hereto, accompanied by English translation of at least relevant part, if it is not in English. English translation of the document is not readily available; however, the absence of such translations does not relieve the

PTO from its duty to consider the submitted document (37 C.F.R. §1.98 and MPEP §609).

- ☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date or within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in compliance with 37 C.F.R. §1.97(b), OR is being filed concurrent with filing of the Continued Prosecution Application (CPA) or the Request for Continued Examination (RCE). No fee is required (37 C.F.R. §1.97(b)).

Dated: March 9, 2005

Respectfully submitted,

By 

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	Not Yet Assigned	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Masahiko Sisido	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	SAE-0031

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	English Translation of International Search Report	
	CB	Ninomiya et al., "An approach towards aminoacylation of tRNA by antisense PNA derivatives," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 79, No. 2, Page 873, 1 F3 10 (March 2001)	
	CC	Werner et al., "Short Oligonucleotides as external guide sequences for site-specific cleavage of RNA molecules with human RNase P," RNA, Vol. 4, No. 7, Pages 847-855, Cambridge University Press (July 1998)	
	CD	Sisido et al., "Introduction of specialty function by the position-specific incorporation of nonnatural amino acids into proteins through four-base codon/anticodon pairs," Applied Microbiology Biotechnology, Vol. 57, No. 3, Pages 274-281 (October 2001)	
	CE	Kurita et al., "Chemical aminoacylation of pdCpA and tRNA with an activated amino acid in cationic micelles," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 83, No. 2, Page 944, 1 G2-39 (March 2003)	
	CF	Toshikazu et al., "Chemical tRNA aminoacylation by a PNA linked with an activated amino acid," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 83, No. 2, Page 944, 1 G2-37 (March 2003)	
	CG	Suzuki et al., "A simple and versatile method for aminoacylation of tRNA with a nonnatural amino acid was developed through ternary hybridization of tRNA/DNA/aminoacyl-PNA," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 83, No. 2, Page 944, 1 G2-38 (March 2003)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Signature		Date Considered	
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